

APPENDIX B. Ground photographs of San Juan and Animas rivers diversion structures.



APPENDIX B. continued (San Juan River).






APPENDIX B. continued (San Juan River).





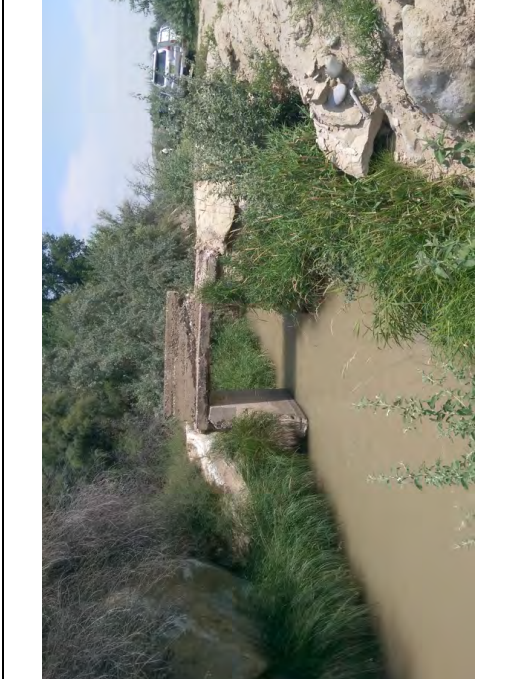



APPENDIX B. continued (San Juan River).





RM 166.3 Jewett Valley Ditch (1 of 2)	 <p>Headgate with non-functioning spillway at left.</p>	 <p>View downstream at headgate.</p>
	 <p>View upstream from headgate of diversion channel, with head/grade control structure in main channel at right.</p>	 <p>View upstream from headgate of head/grade control structure stretching across main channel.</p>



APPENDIX B. continued (San Juan River).

RM 166.3 Jewett Valley Ditch (2 of 2)		Non-functioning spillway gate at headgate		Head/grade control structure
		View upstream of old headgate structure		View downstream from current headgate of old headgate

APPENDIX B. continued (San Juan River).



RM 163.7 APS Four Corners Units 4 & 5 (1 of 2)		View upstream of diversion structure.
	Concrete head/grade control structure.	
View upstream of diversion channel outlet gate.		Diversion structure inlet openings with debris/fish screens.



APPENDIX B. continued (San Juan River).





RM 163.7 APS Four Corners Units 4 & 5 (2 of 2)		View upstream of head/grade control structure		Concrete head/grade control structure.
		Debris/fish screens across diversion/pump inlets.		View upstream of diversion channel.

APPENDIX B. continued (San Juan River).


<p>RM 166.7 PNM San Juan Generating Station</p>	 <p>View upstream of concrete head/grade control structure, diversion headgate at left.</p>	 <p>Entrance of fish passage on opposite bank.</p>
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APPENDIX B. continued (San Juan River).

RM 178.4 Fruitland Irrigation Canal/Shiprock Irrigation (1 of 2)		
View downstream of headgate structure with gate operators removed.		Headgate structure.
		
View downstream of canal from headgate.		Headgate structure.

APPENDIX B. continued (San Juan River).

<p>RM 178.4 Fruitland Irrigation Canal/Shiprock Irrigation (2 of 2)</p>		<p>View upstream of headgate structure.</p>		<p>Spillway gate.</p>
		<p>Head/grade control structure.</p>		<p>Spillway with diverted water.</p>



APPENDIX B. continued (San Juan River).

<p>RM 195.6 Williams Field Services Kutz Plant</p>			<p>Pumphouse with debris/fish screens across pump inlet.</p>	<p>Inlet channel with "Gilligan's Island" in background.</p>			<p>Debris/fish screens across pump inlet/opening.</p>	<p>View downstream of return channel.</p>
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APPENDIX B. continued (San Juan River).

RM 197.9 City of Bloomfield Second Source		
View downstream of diversion inlet gate.		View upstream of headgate and across river.
View upstream of diversion channel.		



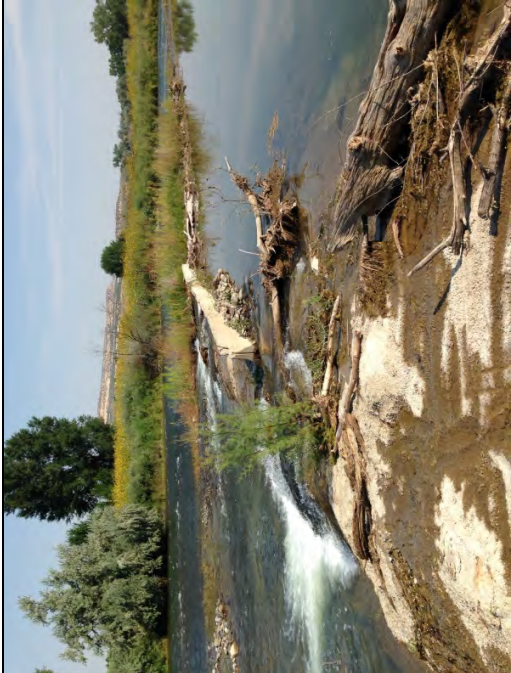



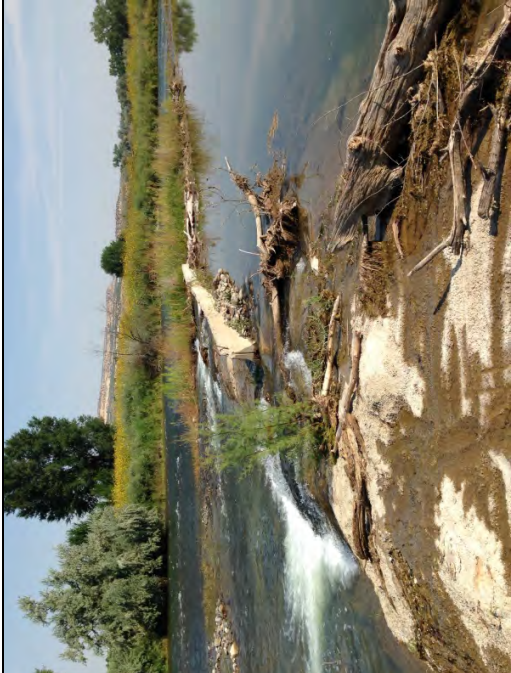



APPENDIX B. continued (San Juan River).

RM 214.4 Turley-Manzanares Ditch (1 of 2)		
View downstream of headgate and spillway.		Headgate with trash rack.
		Spillway gate and return channel in background.
Primary and secondary headgates (secondary seldom used).		



APPENDIX B. continued (San Juan River).

RM 214.4 Turley-Manzanares Ditch (2 of 2)		Head/grade control structure.		View upstream of ponded area upstream of diversion.
		Head/grade control structure.		Head/grade control structure with main channel in background.
		Head/grade control structure.		View upstream of ponded area upstream of diversion.
		Head/grade control structure.		Head/grade control structure with main channel in background.






APPENDIX B. continued (San Juan River).

RM 217.8 Bloomfield Irrigation District (1 of 2)	 <p>A wide-angle photograph showing a river flowing through a valley. In the foreground, there is a rocky, sloping bank with some sparse vegetation. The river is calm, reflecting the sky and the surrounding greenery. In the background, there are rolling hills and mountains under a cloudy sky.</p>	 <p>A photograph of a concrete spillway structure with a metal gate. The water is flowing over the spillway, creating a white, turbulent flow. In the background, there are trees and a return channel.</p>
View upstream of diversion channel inlet.	 <p>A photograph of a river flowing through a valley. In the foreground, there is a rocky, sloping bank with some sparse vegetation. The river is calm, reflecting the sky and the surrounding greenery. In the background, there are rolling hills and mountains under a cloudy sky.</p>	Spillway gates and return channel in background.
Diversion channel, with loss back to main river channel.	 <p>A photograph of a river flowing through a valley. In the foreground, there is a rocky, sloping bank with some sparse vegetation. The river is calm, reflecting the sky and the surrounding greenery. In the background, there are rolling hills and mountains under a cloudy sky.</p>	Spillway and headgate structure.







APPENDIX B. continued (San Juan River).

<p>RM 217.8 Bloomfield Irrigation District (2 of 2)</p>	 <p>Headgate structure, gates removed.</p>	 <p>View downstream of headgate structure.</p>	 <p>Spillway and headgate structure.</p>	 <p>View downstream of diversion channel inlet, at right.</p>
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APPENDIX B. continued (Animas River).

RM 0.4 Farmers Mutual Ditch		View upstream of diversion channel inlet, from headgate; head/grade control structure in main river channel at right.		Back of headgate structure, with radial gates.
		Concrete headgate structure.		View downstream of ditch, from headgate.



APPENDIX B. continued (Animas River).

RM 3.5 Willet Ditch		Headgate structure with concrete/boulder head/grade control structure at right.		View upstream of concrete/boulder head/grade control structure with kayak hole downstream.
		View downstream of headgate structure at left and concrete/boulder head/grade control structure at right.		View upstream, diversion channel at right, head/grade control structure at left.



APPENDIX B. continued (Animas River).

RM 4.6 North Farmington Ditch (1 of 2)		Diversion channel inlet.		Concrete headgate and spillway structure with radial gates.
		Diversion channel inlet (at right) with head/grade control structure in background stretching across main river channel.		View downstream of diversion channel, below inlet at main channel.




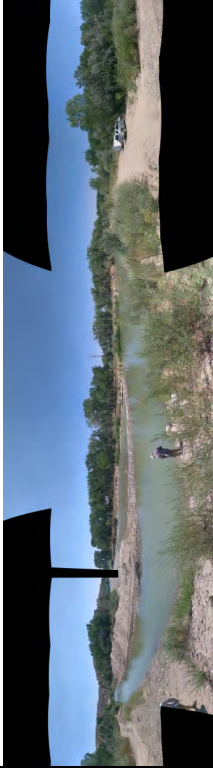


APPENDIX B. continued (Animas River).



<p>RM 4.6 North Farmington Ditch (2 of 2)</p>		<p>Spillway gate in foreground, main headgate in background.</p>		<p>Secondary head/grade control structure, headgate at left.</p>
		<p>Secondary head/grade control structure across diversion channel; headgate behind field crew.</p>		<p>View downstream of secondary head/grade control overflow return channel.</p>



APPENDIX B. continued (Animas River).




RM 6.1 Farmington-Echo-Allen Ditch			Head/grade control structure at left stretching across main river channel.			Panoramic view of diversion channel inlet and head/grade control structure.
	View downstream of diversion channel.					

APPENDIX B. continued (Animas River).

<p>RM 9.5 City of Farmington Animas Pump Station No. 2</p>		<p>Head/grade control structure, with diversion inlet in foreground.</p>		<p>View upstream of head/grade control structure.</p>
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APPENDIX B. continued (Animas River).




RM 10.8 Ranchmans Ditch		Concrete headgate structure along main river channel.		View downstream of ditch, from headgate.
		Head/grade control structure in main channel 40 meters downstream of headgate.		

APPENDIX B. continued (Animas River).

RM 15.3 Halford-Independent Ditch (1 of 2)		
View upstream of diversion channel, from headgate.		
	Headgate structure with uncontrolled spillway at left, river return in background.	View of main channel from diversion channel inlet.







APPENDIX B. continued (Animas River).

RM 15.3 Halford-Independent Ditch (2 of 2)	 <p>Back of radial headgate.</p>	 <p>Secondary head/grade control structure, headgate at right.</p>
	 <p>View downstream of ditch, from headgate.</p>	 <p>View upstream of return channel below secondary head/grade control.</p>

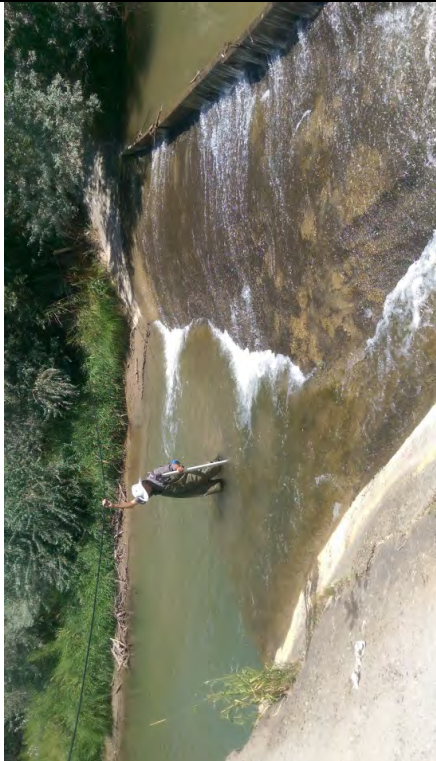




APPENDIX B. continued (Animas River).

RM 16.8 Kello-Blancett Ditch (1 of 2)		
At diversion channel inlet, head/grade control structure in background.		<p>View upstream from diversion channel inlet.</p> 
View downstream of diversion channel.		Headgate, spillway gate, and secondary head/grade control structure.





APPENDIX B. continued (Animas River).

RM 16.8 Kello-Blancett Ditch (2 of 2)		View of secondary concrete head/grade control structure, from headgate.		Secondary concrete head/grade control structure.
		Headgate structure.		Secondary concrete head/grade control structure.







APPENDIX B. continued (Animas River).

RM 19.8 Eledge Mill Ditch	 <p>Headgate structure with trash rack.</p>	 <p>View upstream from headgate.</p>
 <p>View upstream from headgate.</p>	 <p>View downstream of ditch, from headgate.</p>	



APPENDIX B. continued (Animas River).

RM 21.4 Farmers Irrigation District (1 of 2)		
Headgate structure and head/grade control structure at left.		
Headgates.		View upstream of headgate structure.



APPENDIX B. continued (Animas River).

RM 21.4 Farmers Irrigation District (2 of 2)	 <p>A wide-angle photograph showing a rocky riverbed leading up to a concrete head/grade control structure. The water is flowing over the structure, creating a small waterfall. The background shows a line of trees under a clear blue sky.</p>	 <p>A close-up photograph of the head/grade control structure, showing the concrete wall and the turbulent water flowing over it. The water is white with foam due to the turbulence.</p>
View upstream of head/grade control structure.		Close-up of head/grade control structure.
 <p>A photograph showing a spillway structure with a corrugated metal roof and a concrete wall. The structure is surrounded by tall grass and reeds. The water is flowing over the structure, creating a small waterfall.</p>	 <p>A photograph of a spillway gate, showing the concrete structure and the metal gate. The gate is partially open, and the water is flowing over it. The structure is surrounded by tall grass and reeds.</p>	Spillway gate.
View upstream of spillway structure, located downstream of headgate.		



APPENDIX B. continued (Animas River).

<p>RM 21.8 Lower Animas Ditch</p>		<p>View upstream of head/grade control structure, from headgate.</p>		<p>Radial headgate.</p>
		<p>Head/grade control structure, extending partially across channel.</p>		<p>Radial spillway gate.</p>




APPENDIX B. continued (Animas River).

RM 29.6 Stacey Ditch		View downstream of diversion channel inlet.		Headgate structure, with spillway to left.
		View upstream of diversion channel inlet.		Spillway with return to main river channel.



APPENDIX B. continued (Animas River).

RM 33.8 Cedar Ditch		
View downstream of head/grade control structure and headgate.		
View upstream of head/grade control structure.	View downstream of head/grade control structure.	


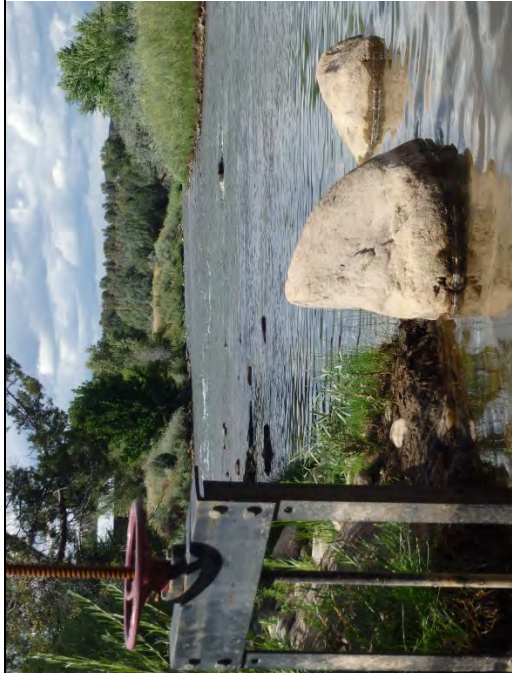




APPENDIX B. continued (Animas River).

RM 39.7 Twin Rock Ditch		Diversion structure with trash rack.		View downstream of ditch, from diversion structure.
		View upstream of head/grade control structure.		Trash rack.



APPENDIX B. continued (Animas River).

<p>RM 48.9 Dena Ditch/Little Fishes Wildlife Habitat Enhancement Project</p>		<p>Headgate at pipe inlet.</p>		<p>View upstream from headgate.</p>
		<p>View downstream of head/grade control comprised of large boulders.</p>		<p>Boulders extending partially across channel.</p>



APPENDIX B. continued (Animas River).

RM 53.5 Cason Ditch	 A photograph showing a metal headgate structure with a circular wheel mechanism, partially obscured by green vegetation and branches. The structure is situated in a narrow channel of water.	Headgate structure.
	 A photograph of a river channel with a rocky, uneven spillway. The water is flowing over the rocks, and the surrounding area is covered with dense green vegetation and trees.	Uncontrolled spillway adjacent to headgate structure.
	 A photograph showing a view upstream from the headgate area. The water is flowing through a channel with a rocky bed, surrounded by dense green vegetation and trees. A metal structure is visible in the background.	View upstream of headgate and spillway.
	 A photograph of a diversion channel with a rocky bed, surrounded by dense green vegetation and trees. The water is flowing through the channel, and the surrounding area is covered with dense green vegetation and trees.	Diversion channel upstream of headgate.



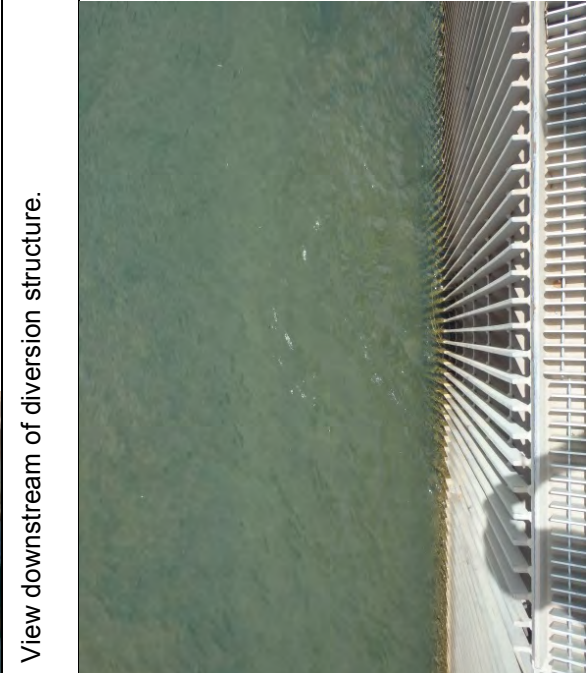
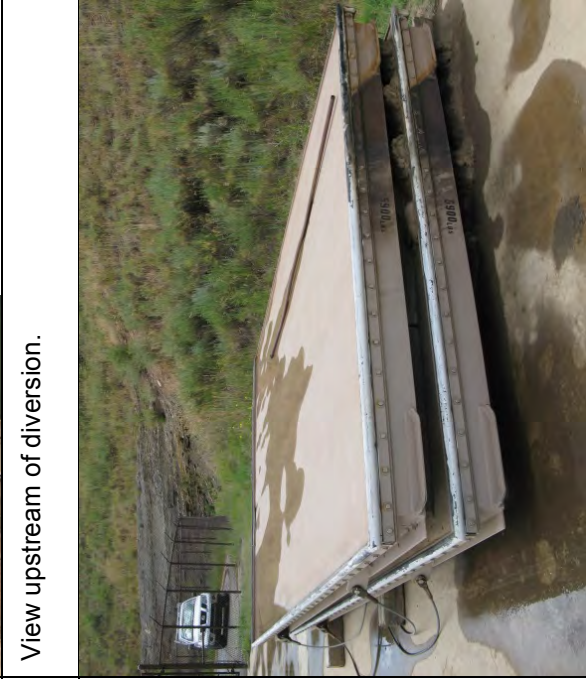


APPENDIX B. continued (Animas River).

RM 55.1 East Mesa Ditch		Headgate structure and uncontrolled spillway return to main channel.		Headgates and trash rack.
		Uncontrolled spillway return to main channel.		View upstream along diversion channel.




APPENDIX B. continued (Animas River).

<p>RM 59.8 USBR Animas-La Plata Project/Lake Nighthorse Diversion (1 of 2)</p>	 <p>View downstream of diversion structure.</p>	 <p>View upstream of diversion.</p>	 <p>Debris/fish screen across intake structure.</p>	 <p>Walls that can be installed to close diversion.</p>
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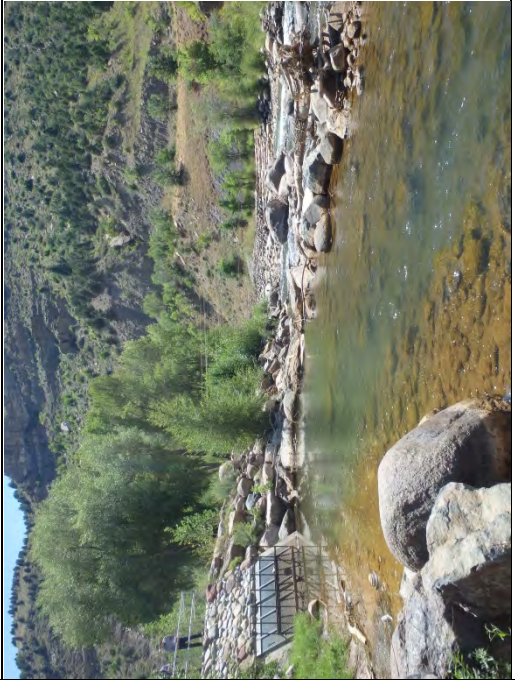


APPENDIX B. continued (Animas River).

RM 59.8 USBR Animas-La Plata Project/Lake Nighthorse Diversion (2 of 2)	 <p>View of settling pond, fish screen sluice structure.</p>	 <p>View of settling pond, fish screen sluice structure.</p>
 <p>View of settling pond, fish screen sluice structure.</p>	 <p>View of settling pond, fish screen sluice structure.</p>	 <p>View of settling pond, fish screen sluice structure.</p>



APPENDIX B. continued (Animas River).

<p>RM 60.2 City of Durango Santa Rita Diversion</p>			<p>View downstream of diversion structure and short head/grade control structure.</p>			<p>View upstream of head/grade control structure (boulders), from diversion structure.</p>	<p>View downstream of diversion structure.</p>
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